

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: Front Matter

Issue Date: Feb-1929

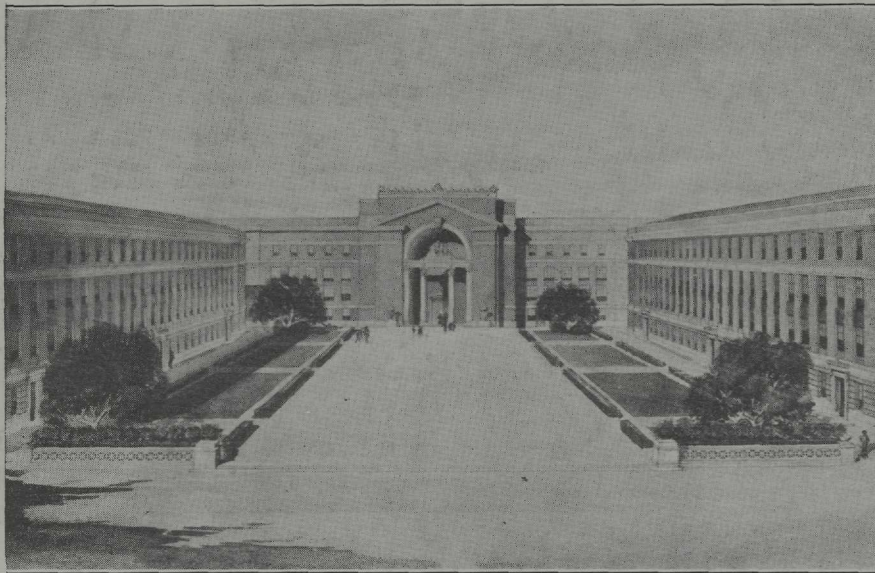
Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 12, no. 4 (February, 1929), 1-4.

URI: <http://hdl.handle.net/1811/34548>

Appears in Collections: [Ohio State Engineer: Volume 12, no. 4 \(February, 1929\)](#)

THE OHIO STATE ENGINEER



TA
1

036

V. 12, no. 4

Feb. 1929

copy 3

MEMBER OF ENGINEERING
COLLEGE MAGAZINES ASSOCIATED

FEBRUARY

1 9 2 9

V. 12 # 4

✓ 1800 LB. Pressure

1800 pound steam pressure for an installation which will be the largest high pressure steam plant in the world.

✓ 700 percent Rating

700 percent rating—carried on a unit comprising a Ladd Boiler, C-E Fin Furnace, C-E Air Preheater and Lopulco Pulverized Fuel System.

✓ 660,000 LBS. per hour

660,000 pounds of steam per hour from one unit—and, work in progress on three units each capable of delivering 800,000 pounds of steam per hour.

✓ these are outstanding accomplishments

THE ability to offer to Industry a service which is not available elsewhere—is responsible for these striking accomplishments.

Complete fuel burning and steam generating units of coordinated design to

meet exactly the individual plant need—comprising boiler, stoker or pulverized fuel equipment, furnace, superheater and air preheater—are sold under One Contract, One Responsibility and one set of guarantees.

*Our General Condensed Catalog briefly describes
Combustion Engineering Corporation equipment.
May we send you a copy?*

COMBUSTION ENGINEERING CORPORATION

International Combustion Building

200 Madison Ave., New York

A Subsidiary of

INTERNATIONAL COMBUSTION ENGINEERING CORPORATION

COMBUSTION ENGINEERING



Aerial View of Chicago, Ill.

The Metropolitan City of the West

CHICAGO is a wonder city. It has grown like the proverbial mushroom—prairie giving place to pavement and tall buildings rising on every side.

The Otis organization has contributed in no small degree to this amazing record of growth. In keeping with the fact that "most of the famous buildings of the world are Otis-equipped" Chicago's major commercial structures reflect the trend toward safe and speedy Vertical Transportation with maximum safety.

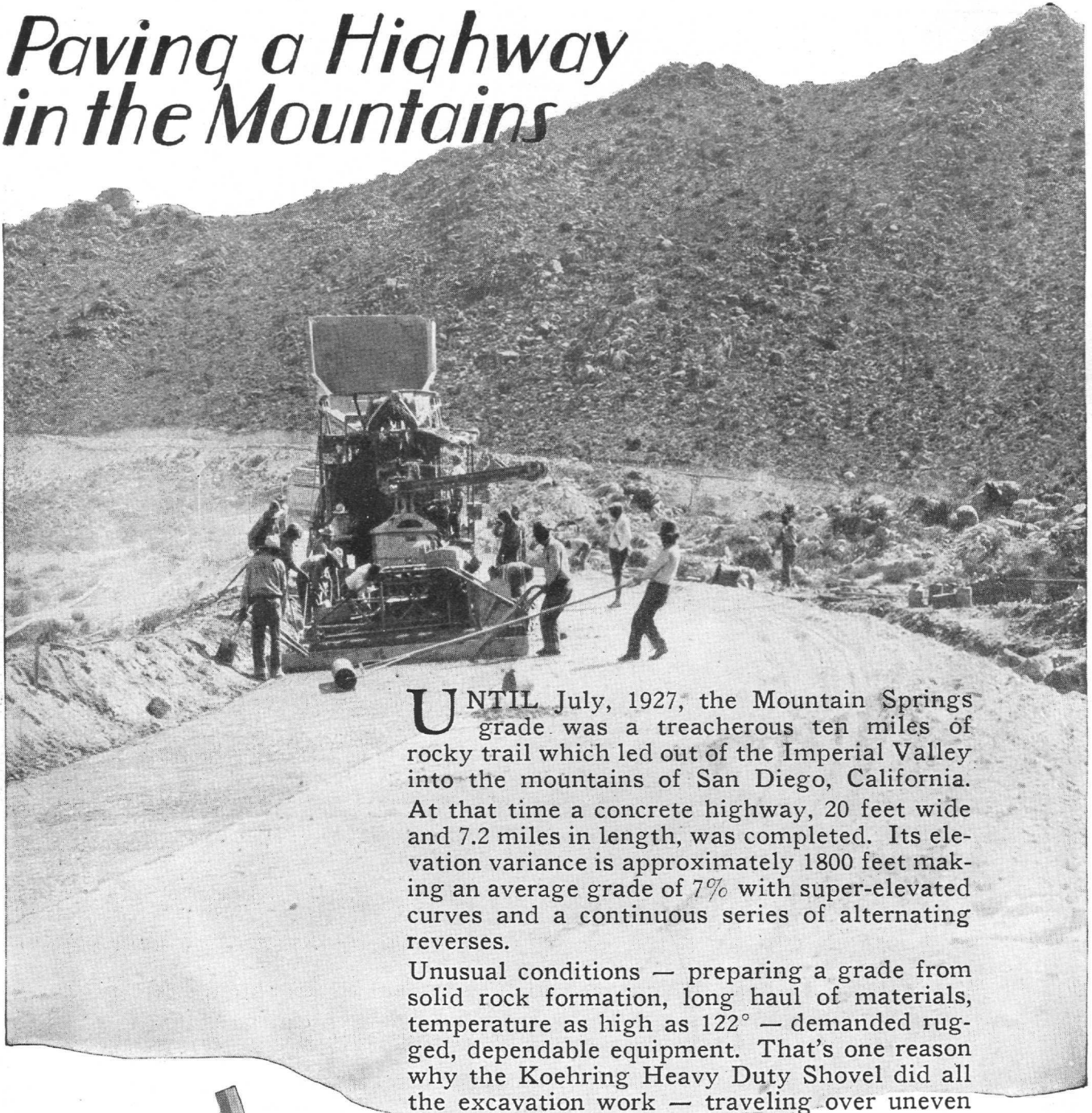
State Street, Broadway, Picadilly—every famous street throughout the world—is lined with buildings wherein Otis Elevators are giving daily service in a safe, trouble-free manner—concrete examples of this company's determination to build nothing but the best—and the best is none too good to bear the world-famous Otis trade mark.



OTIS ELEVATOR COMPANY
OFFICES IN ALL PRINCIPAL CITIES OF THE WORLD



Paving a Highway in the Mountains



UNTIL July, 1927, the Mountain Springs grade was a treacherous ten miles of rocky trail which led out of the Imperial Valley into the mountains of San Diego, California. At that time a concrete highway, 20 feet wide and 7.2 miles in length, was completed. Its elevation variance is approximately 1800 feet making an average grade of 7% with super-elevated curves and a continuous series of alternating reverses.

Unusual conditions — preparing a grade from solid rock formation, long haul of materials, temperature as high as 122° — demanded rugged, dependable equipment. That's one reason why the Koehring Heavy Duty Shovel did all the excavation work — traveling over uneven rock formation.

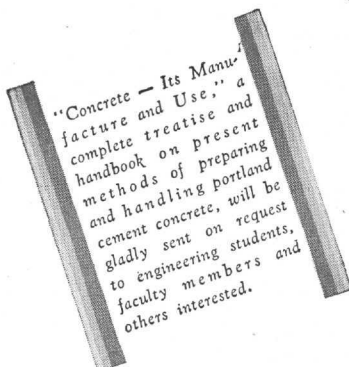
At the stock pile and batcher bin a Koehring Heavy Duty Crane handled the crushed rock and sand while on the grade a Koehring Heavy Duty Paver mixed the dominant strength concrete, — a complete Koehring-equipped job.

KOEHRING COMPANY

MILWAUKEE, WISCONSIN

Manufacturers of

Pavers, Mixers—Gasoline Shovels, Cranes and Draglines



KOEHRING

FEBRUARY, 1929

THE OHIO STATE ENGINEER

Published in October, November, January, February, March, April, and May by the students in the
College of Engineering, Ohio State University

Vol. XII

FEBRUARY, 1929

No. 4

CONTENTS

PROPOSED ENGINEERING COURT.....	Cover
FRONTISPIECE—FUTURE ENGINEERING QUADRANGLE.....	4
TELEPHOTOGRAPHY — By CHAS. A. PARKER.....	5
ARE DEAD WIRES DANGEROUS? — By PROF. PUCHSTEIN AND K. Y. TANG.....	6
UNDER AND OVER THE METROPOLIS — By MARK L. ALLEN.....	8
AUTOMATIC CONTROL — By EDWARD A. HIGGINS.....	9
RADIO FREQUENCY CURRENT — By C. W. RAINEY.....	10
THE BOOKSHELF.....	12
ENGINEERING ABSTRACTS.....	13
EDITORIALS.....	14
CAMPUS NOTES.....	16
ALUMNI NEWS.....	17
CRANKS AND COUNTERSHAFTS.....	18

Subscription price, \$1.50 per year, 25c per copy. Checks, money orders, etc., payable to The Ohio State Engineer.

Entered as second-class matter May 15, 1922, at the post office at Columbus, Ohio, under the act of March 3, 1879. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917. Authorized December 8, 1922.

MEMBERS OF THE ENGINEERING COLLEGE MAGAZINES ASSOCIATED

Chairman: Willard V. Merrihue, 1 River Road, Schenectady, New York

The Transit
Iowa Engineer
Colorado Engineer
Nebraska Blue Print
Sibley Journal of Engineering
Rose Technic
Michigan Technic
The Ohio State Engineer
Penn State Engineer
Minnesota Techno-Log

Wisconsin Engineer
Tech Engineering News
Cornell Civil Engineer
Kansas State Engineer
Princeton E. A. News Letter
The Technograph
Pennsylvania Triangle
Kansas Engineer
Oregon State Technical Record
The Purdue Engineer

